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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277  
 Seiichi BANBA, et al. : Confirmation Number: 5193  
 Application No.: 10/802,878 : Group Art Unit: 2817  
 Filed: March 18, 2004 : Examiner: Patricia T. Nguyen

For: VARIABLE IMPEDANCE CIRCUIT, VARIABLE GAIN DIFFERENTIAL AMPLIFIER, MULTIPLIER, HIGH-FREQUENCY CIRCUIT AND DIFFERENTIAL DISTRIBUTED AMPLIFIER

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an Amendment in the above-identified application.

No additional fee is required.  
 Applicant is entitled to small entity status under 37 CFR 1.27  
 Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	17	20	0	\$50.00 =	\$0.00
Independent Claims	11	13	0	\$200.00 =	\$0.00
Multiple dependent claims newly presented				\$0.00	
Fee for extension of time				\$0.00	
				\$0.00	
Total of Above Calculations				\$0.00	

Please charge my Deposit Account No. 500417 in the amount of \$0.00. An additional copy of this transmittal sheet is submitted herewith.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Gene Z. Rubinson  
 Registration No. 33,351

Please recognize our Customer No. 20277 as our correspondence address.

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 Date: December 8, 2006  
 WDC99 1320776-1.050024.0026

Docket No.: 050024-0026



**PATENT**

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**AMENDMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following amendment and remarks are submitted in response to the non-final Office Action dated September 11, 2006.

Amendments to the claims are reflected in the listing of claims which begins on page 2 of this paper. This listing of claims replaces all prior versions, and listings, of claims in the application.

Remarks begin on page 21 of this paper.